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The diversity of glycogen branching enzymes in microbes

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Curriculum Vitae

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Xuwen Zhang was born on August 22th 1986 in Zibo, Shandong province, China. After obtaining the B. Sc of bioengineering at Ludong university in 2011. He continued doing a master project at Tianjin Institute of Industrial Biotechnology, Chinese Academic of Sciences, Tianjin, China, supervised by prof. Tao Liu. He obtained M. Sc of biotechnology and bioengineering in June, 2014. At the same year he got 4-year PhD scholarship from Chinese Scholarship Council and the invitation from prof. Marc van der Maarel, the head of the Aquatic Biotechnology and Bioproduct Engineering group and the director of graduate school of science and engineering in University of Groningen. On September 2014 he started his project of the diversity of glycogen branching enzymes in microbes. Since September of 2018 he was employed as postdoc in the Aquatic Biotechnology and Bioproduct Engineering group.

List of Publications:

1. **Xuewen Zhang**, Hans Leemhuis and Marc J.E.C. van der Maarel. (2019) GH13 and GH57 glycogen branching enzymes convert amylose and amylopectin in highly branched α -glucans with different structures. *Carbohydr Polym*:
2. **Xuewen Zhang**, Hans Leemhuis and Marc J.E.C. van der Maarel. (2019) Characterization of the GH13 and GH57 glycogen branching enzymes from *Petrotoga mobilis* SJ95 and potential role in glycogen biosynthesis. Submitted.
3. **Xuewen Zhang**, Hans Leemhuis, Štefan Janeček, Mária Martinovičová, Tjaard Pijning, and Marc J.E.C. van der Maarel. (2019) Identification of *Thermotoga maritima* SMB8 GH57 α -amylase AmyC as a glycogen branching enzyme with high hydrolytic activity. Submitted.
4. **Xuewen Zhang**, Hans Leemhuis and Marc J.E.C. van der Maarel. (2019) The impact of glycogen branching enzymes on the digestibility of highly branched starches. Submitted.
5. **Xuewen Zhang**, Hua Yin, Wei Zhou, Yibin Zhuang, Tongcun Zhang and Tao Liu. (2014) The preliminary identification of piloselinone biosynthetic gene cluster. *J Agricultural University Hebei*, 37(2), 76-81.
6. Wei Zhou, **Xuewen Zhang**, Yibin Zhuang, Xiaonan Liu, Hua Yin, Peng Yu and Tao Liu. (2015) Heterologous expression of botrydial biosynthetic gene cluster and increase of yield. *J Huazhong Agricultural University*, 34(1), 49-58.

